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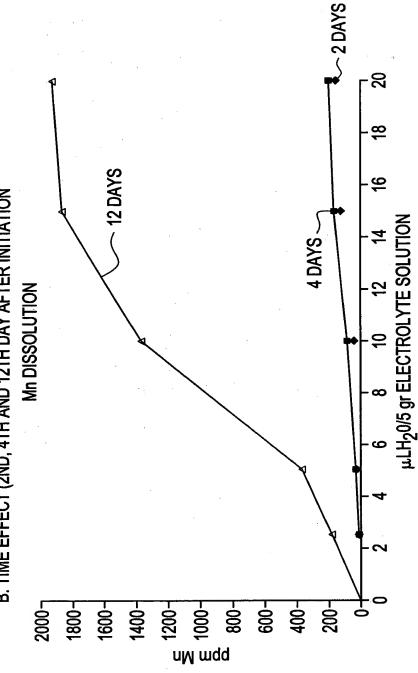
FIG.

THE WATER CORRELATION

2. BACKGROUND: LMO IN ELECTROLYTE (RESIDUAL WATER) 1. ADDITION OF 0, 2.5, 5, 10, 15 AND 20 µL OF H₂O **EX**

3. BLANK:LMO IN ELECTROLYTE WITH Li 2C03

A. DIRECT CORRELATION (2ND DAY, Mn2+ vs AMOUNT OF WATER ADDED B. TIME EFFECT (2ND, 4TH AND 12TH DAY AFTER INITIATION



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FIG. 2

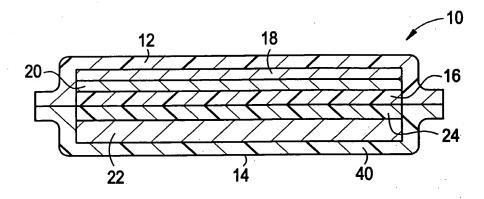
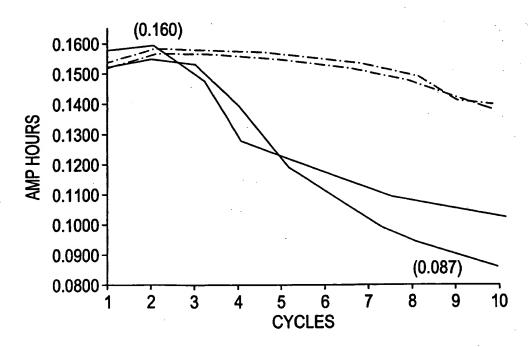


FIG. 3

LMO CELLS WITH & WITHOUT Li₂CO₃ CYCLED @ 60°C DISCHARGE CAPACITY vs CYCLES PROFILE: (CYCLES 1 TO 10)



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FIG. 4

CELL VOLTAGE vs CAPACITY, CONSTANT CURRENT CYCLING. BG35 / Li EC / DMC + 10% TRIBUTYLAMINE

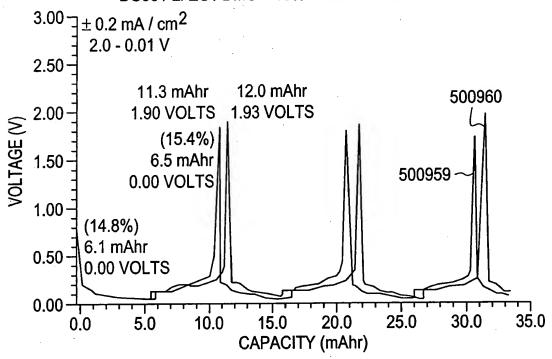
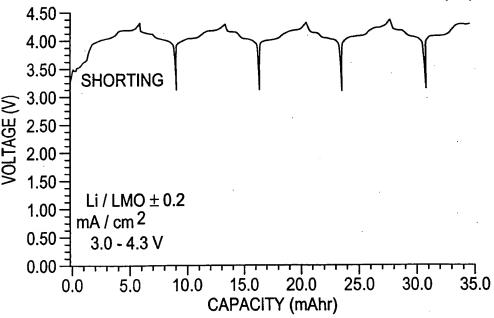
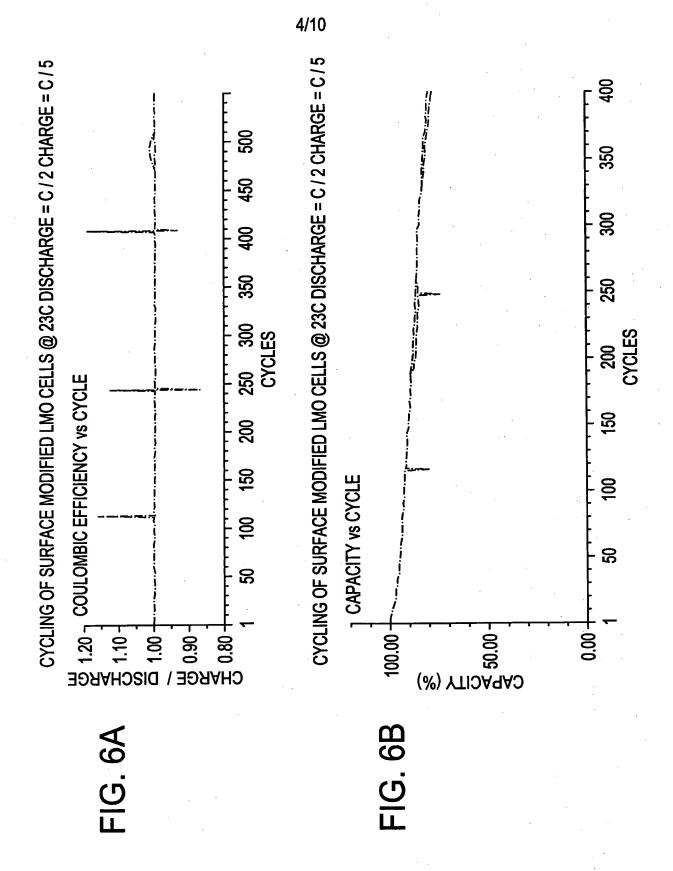
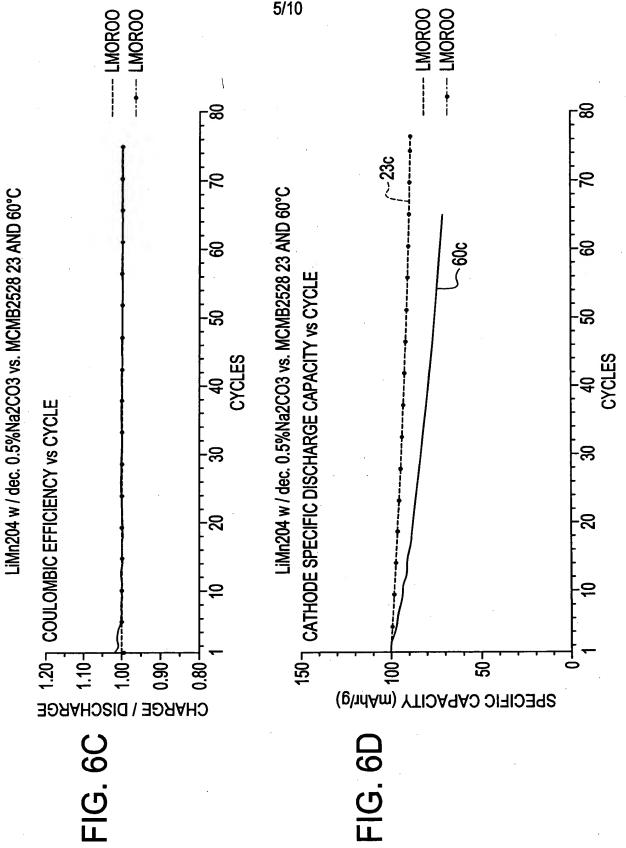


FIG. 5

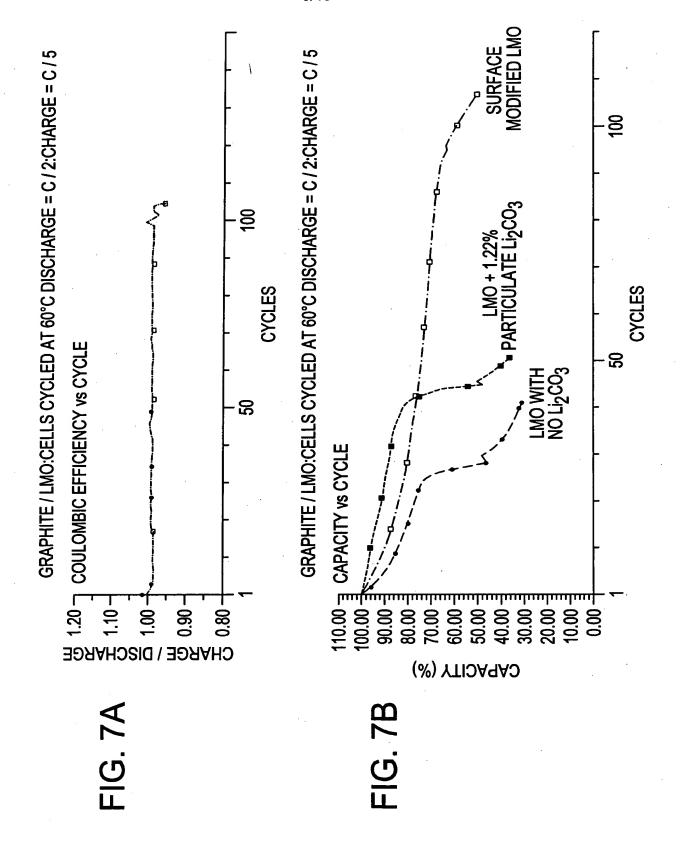
CELL VOLTAGE vs CAPACITY, CONSTANT CURRENT CYCLING. Li / LMO / EC / DMC LiPF6 + 10% TRIBUTYLAMINE (TB)











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 $FIG.\,8 \\$ GRAPHITE / LiMn $_2O_4$ IMPEDANCE VARIATION DURING 60°C STORAGE

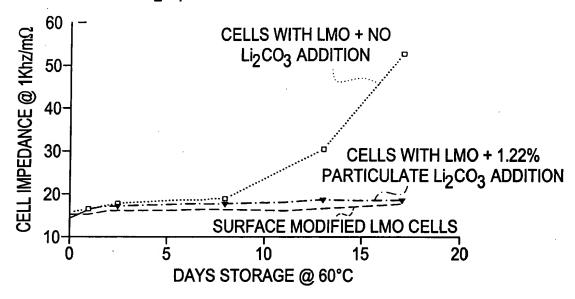
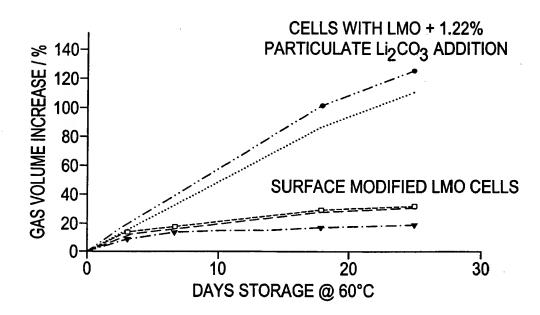


FIG. 9
GRAPHITE / LiMn₂O₄ GAS VOLUME VARIATION DURING 60°C STORAGE



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FIG. 10

Mn 2p PEAKS

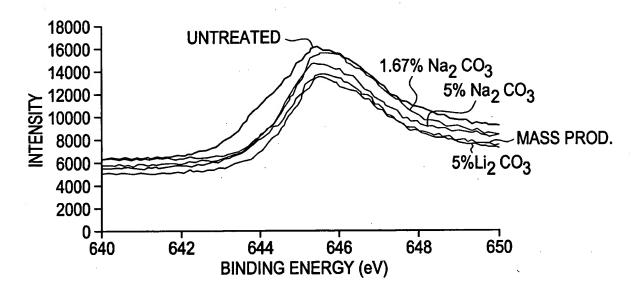
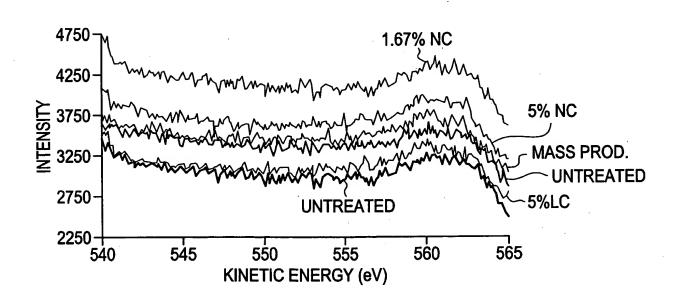
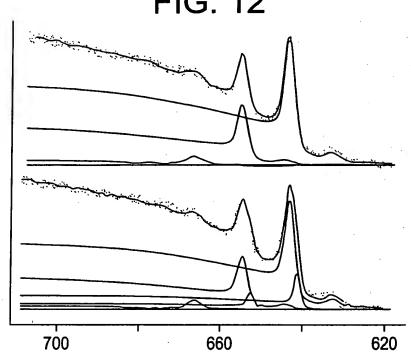
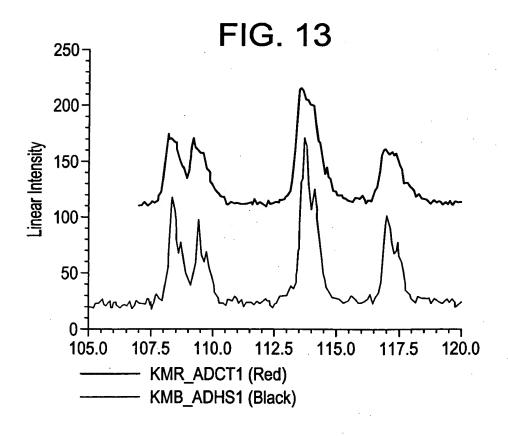


FIG. 11
Mn LMM AUGER PEAKS









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